# Learning at the digital physical interface

How can we design technologies to support learning and engagement

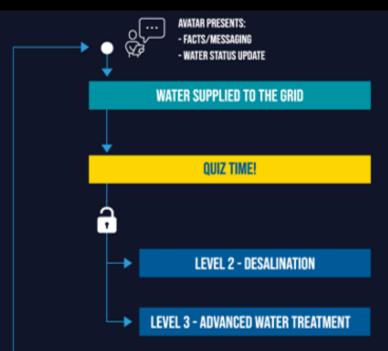
## Queensland University of Technology

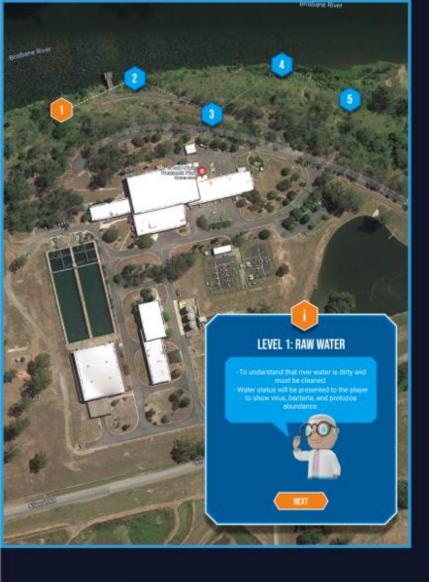
- Thom Saunders
- Program Coordinator
- VISER Visualisation and Interactive Solutions for Engagement and Research

## Engagement & understanding

- Digital tools can successfully build a bridge between engagement and understanding (not directly learning)
- Provide an in-depth understanding of the subject matter
- Analysis and understanding the audience through data capture and interaction











#### AVATAR PRESENTS:

- FACTS/MESSAGING
- WATER STATUS UPDATE

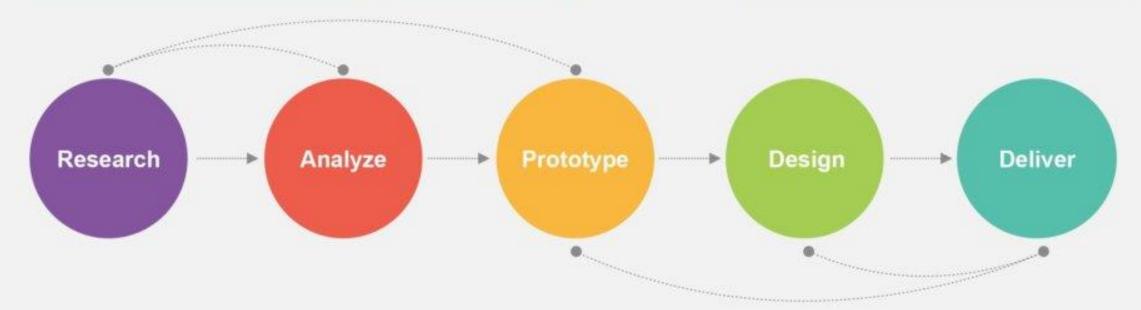
**GAME 1: RAW WATER SCREENING** 





### User centric

- Understanding how audiences interact digital products
- Takes a combination of different processes, skills, and disciplines
- Challenge to identify a "unique creative" concept for presenting complex systems in an engaging way



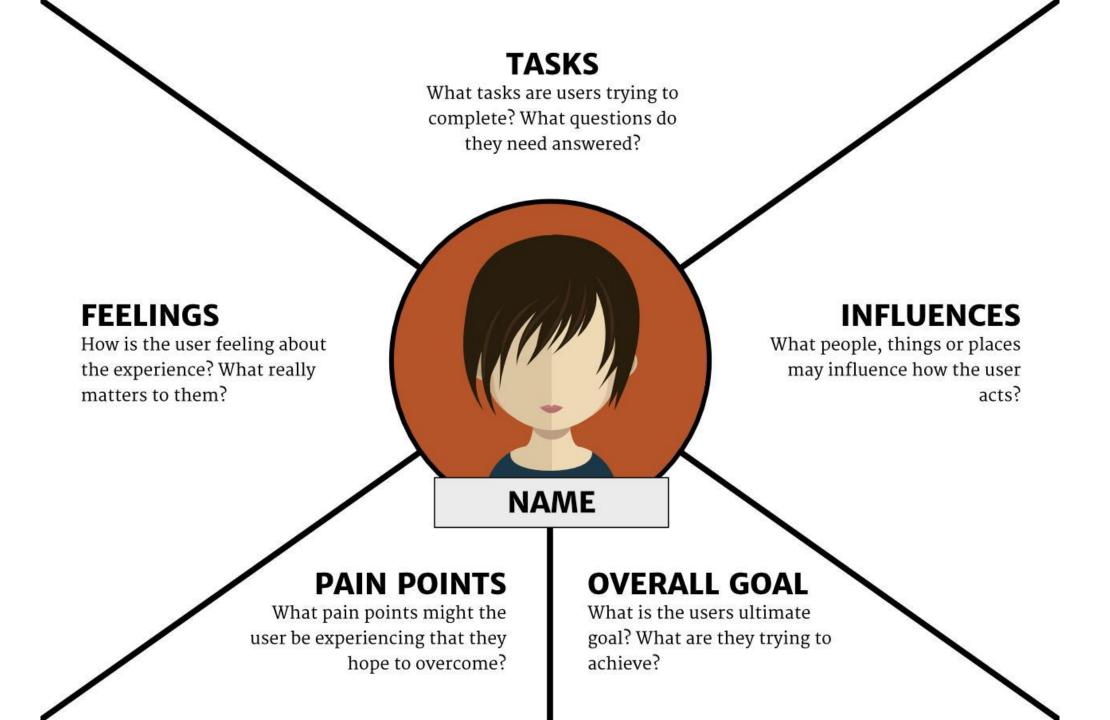
- · Stakeholder workshops
- · User interviews
- · Contextual inquiries
- · Expert interviews
- · Empathy maps
- · Heuristics
- · Competitive analysis
- · Data analysis

- Personas
- · User journeys
- · User stories
- · Task flows
- · Low-fi wireframes
- · Screen flows
- · Information architecture

- · Ideation
- · Concept sketches
- · Mid fidelity mockups
- · Interactive prototypes
- · User testing
- · Concept validation

- · High fidelity design
- · Interactive prototypes
- · Usability testing
- · Style guide
- · Annotated wireframes

- · Developer handover
- · Design reviews
- · User testing
- Iterations



## Engagement

- Collaboration and negotiation
- Social interactions



#### TWINSROOM

Take me to... \$

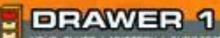
Logout | Your Details | How to Play | Forums











YOUR CLUES | MYSTERY | SUBSCRIPTIONS | REWARDS | YOUR DETAILS



#### **BONUS POINTS**

#### ENTER CLUE CODES HERE

Go

Estar the Bunur Clue Coder you've flourid from Fat Coss Websites Email, SMS, Volceman and /TV to and the bureau points to your tally

#### CLUE CODES AVAILABLE



TOTAL BONUS POINTS.

65

#### **CLUE QUESTIONS**

POINTS

90

You need 100 points to get the Secret Password to Martin's computer where you'll find the solution to this week's mystery, and be eligible to be enter into this week's prize draw if you're one of this weeks top scorers.

And remember, there are 250 Game points. available each week, and, at the end of the Game. If you're one of the highest point-scorers, you. could win HUGE prizes!

So keep looking for borus points on-line, Click here to register for more SMS & Ernall Clues or call 1900 932 825 to hear bonus clues! Cars cost 55c per minute incl. GST (more for mobiles & payphones) 1900 numbers are not available on all mobiles. There is more minchief to be had and more points. to be found!

**TOUR POINTS THIS WILL** 

155

This week's Secret Password: BREAKANDENTER

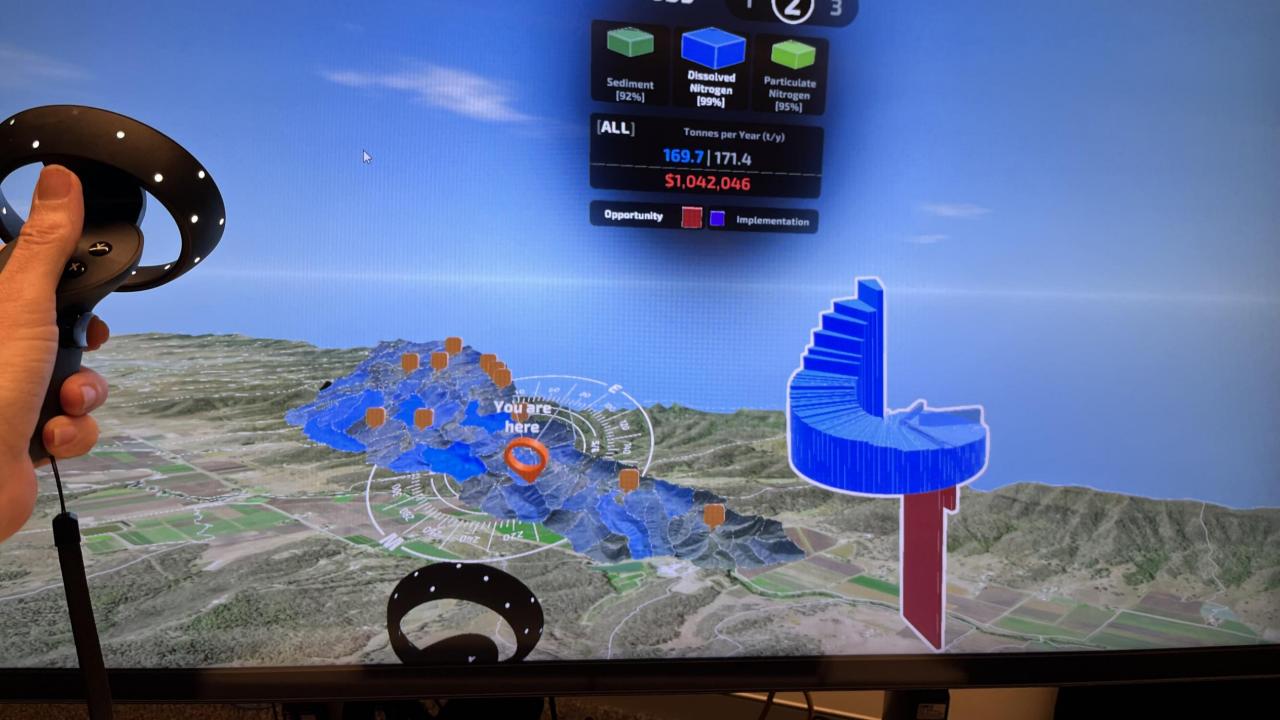


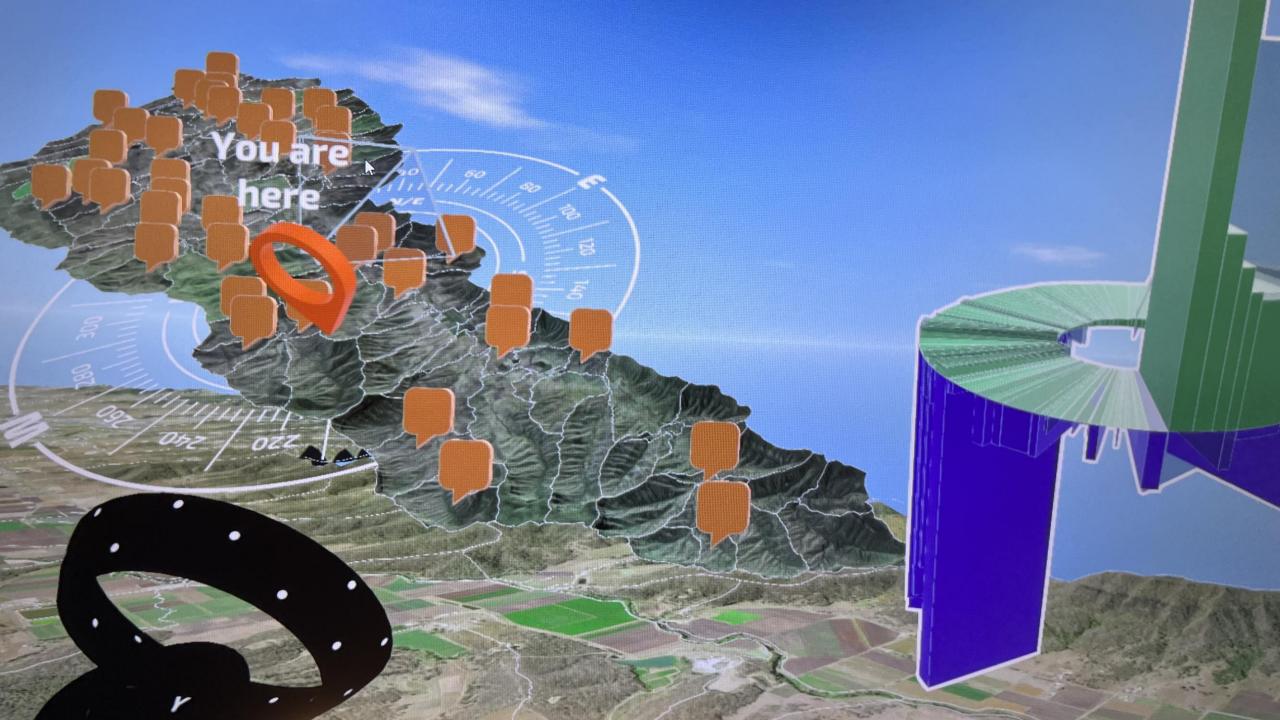
## Building Catchment Resilience

- Range of different user types
- VR application
- Highly complex system
- Data driven
- Presentation of mathematical modelling





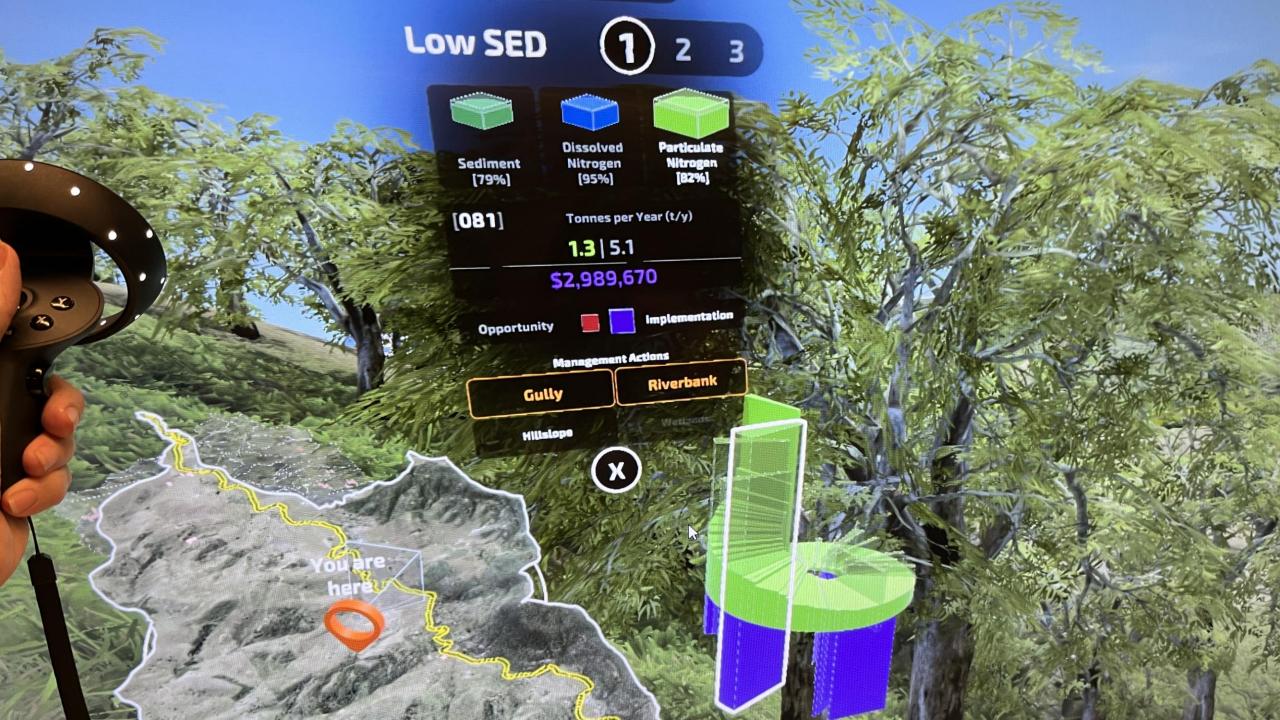


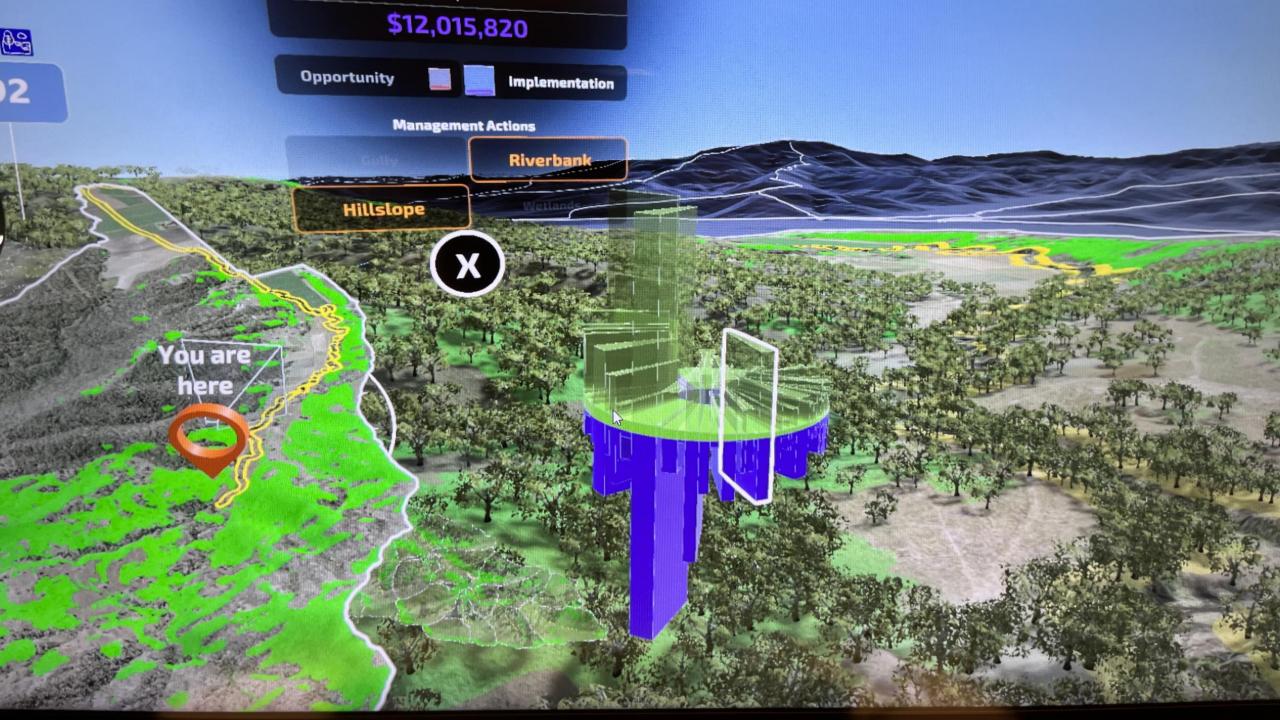


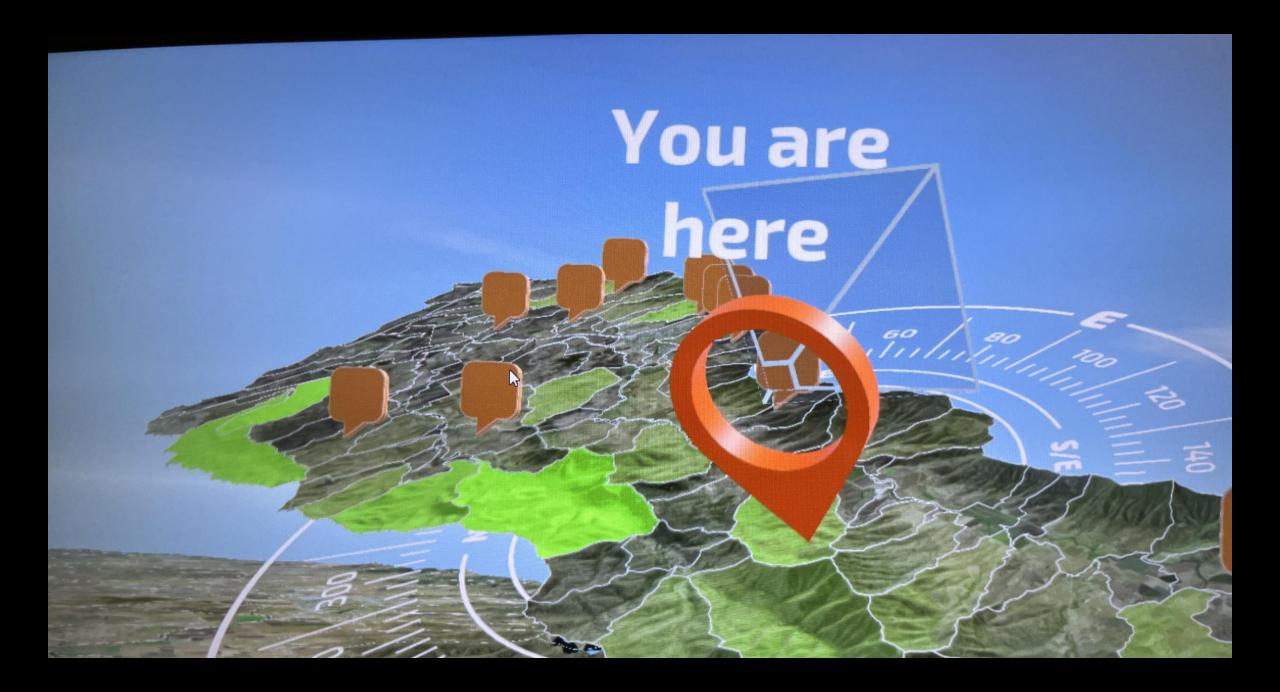












## Thanks very much